

Sensitive Sectors in Free Trade Agreements

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Sensitive Sectors

- Defined here as those that retain positive tariffs within an FTA
 - These are more common than I once thought

Sensitive Sectors

- GATT/WTO requires only that
 - tariffs be eliminated on “substantially all the trade between the constituent territories on products originating in such territories.”
 - (Note “originating.” This raises the issue of Rules of Origin, which I will not address here.)

Sensitive Sectors

- Why they are a concern:
 - Most likely to be sectors most vulnerable to competition from imports
 - Thus sectors most likely for **trade creation**
 - Exclusion of sensitive sectors
 - Reduces trade creation, while
 - Retaining trade diversion

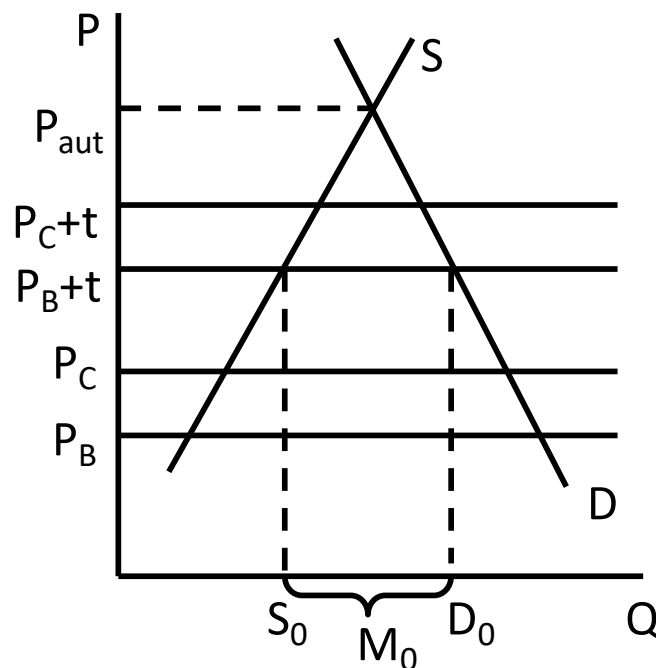
Outline

- More on trade creation/diversion
- Data from TRAINS on FTA tariffs
 - Fractions of dutiable tariff lines
 - Rise in average maximum positive tariffs
- Characteristics of countries with most sensitive sectors

Trade Creation and Diversion

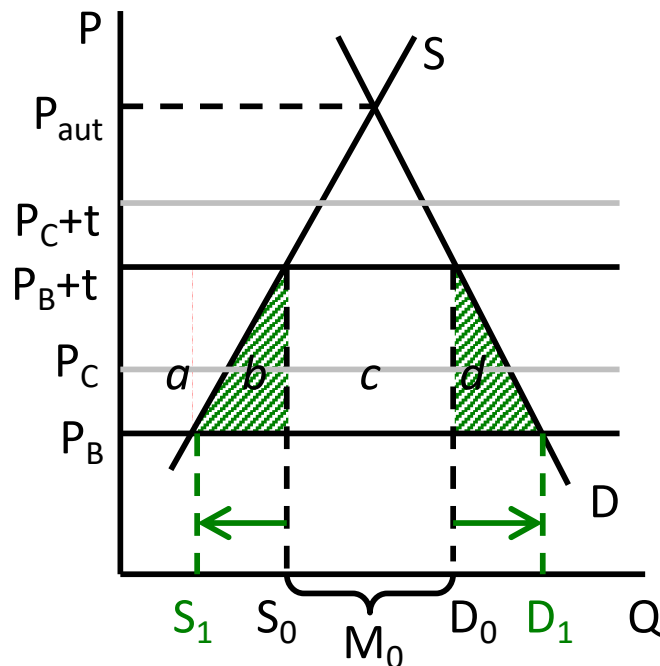
- Trade creation
 - Displaces domestic production with imports from low-cost partner
- Trade diversion
 - Replaces imports from low cost outsider with imports from high-cost partner
 - No (or minimal) dislocation

No FTA, tariff t on both countries B and C



- Without FTA
 - Since $P_B+t < P_C+t$ Home imports only from B

FTA partner is low-cost country, B



FTA with B

- Since $P_B < P_C+t$ Home (A) still imports only from B
- Country C plays no role

Welfare in Home Country A

Suppliers lose $-a$

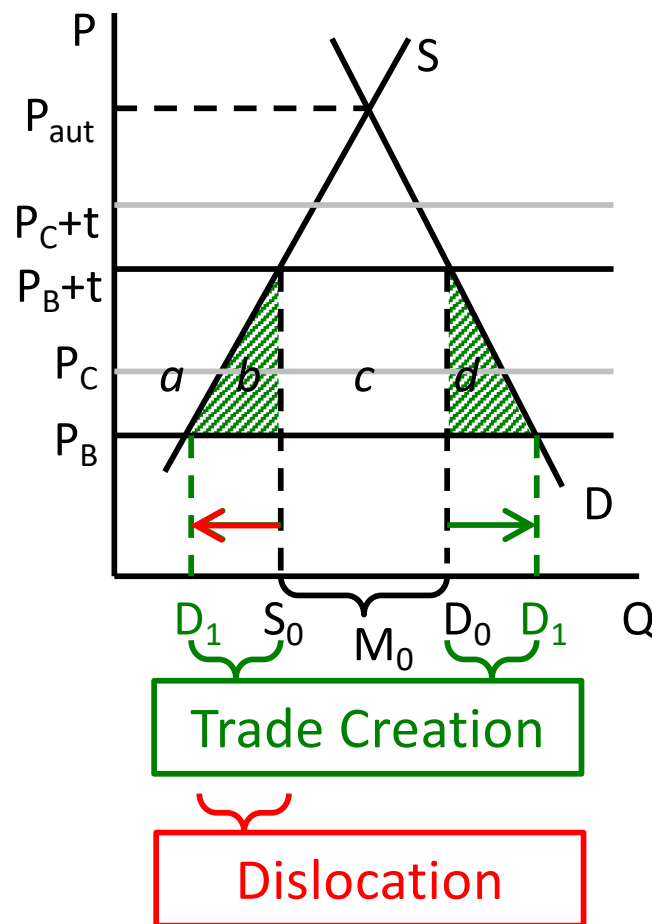
Demanders gain $+(a+b+c+d)$

Government loses $-c$

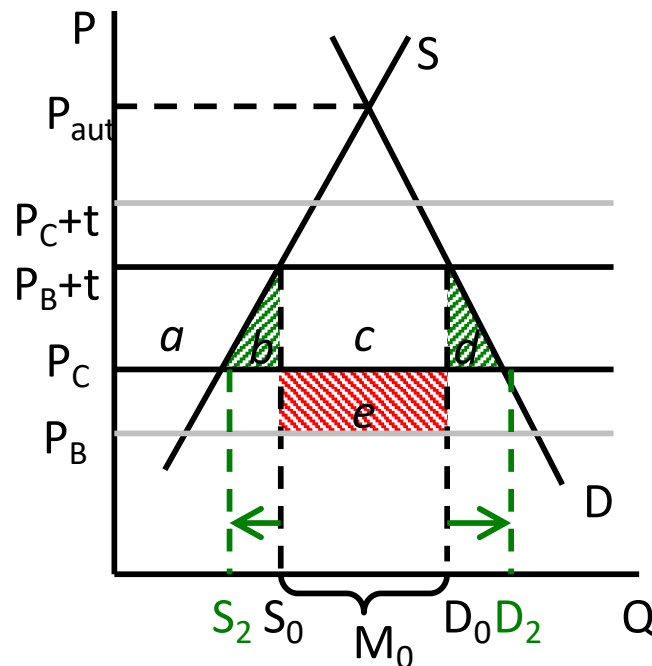
Country gains $+(b+d)$

Same as Free Trade

FTA partner is low-cost country, B



FTA partner is high-cost country, C



FTA with C

- Since $P_C < P_B+t$ Home (A) now imports only from C

Welfare in Home Country A

Suppliers lose $-a$

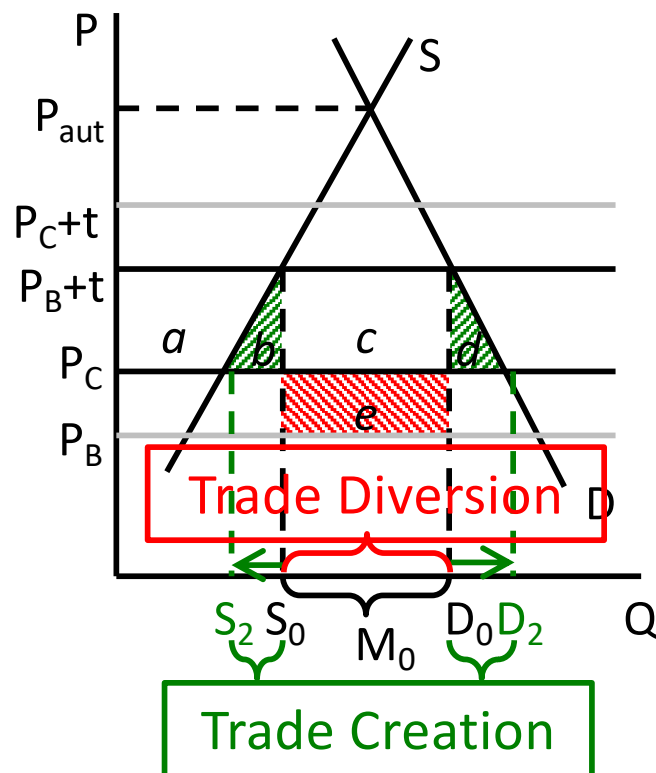
Demanders gain $+(a+b+c+d)$

Government loses $-(c+e)$

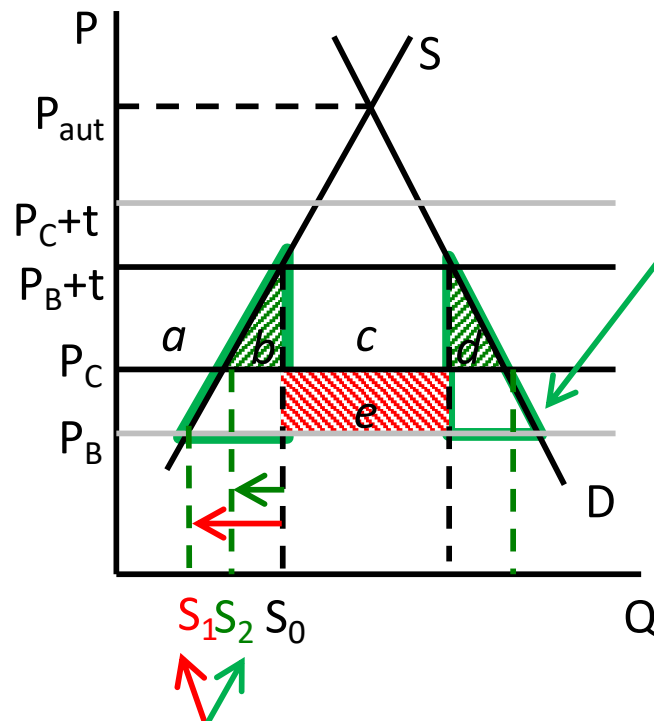
Country $-e+(b+d)$

[loses if $e > (b+d)$]

FTA partner is high-cost country, C



FTA partner is high-cost country, C



Larger economic gain with B than with C

Result:

- Sector is more likely to be viewed as “sensitive” if
 - FTA is with low-cost country
 - $\therefore$ There is trade creation

Larger dislocation with B than with C

Implication for a given FTA

- Sensitive sectors will be
 - Those for which the partner is the low-cost country
 - Those in which there will be trade creation
- Excluding tariff cuts in sensitive sectors will make (beneficial) trade creation less likely

Data from TRAINS

- UNCTAD Trade Analysis Information System
 - Includes data from up to
 - 193 reporting countries
 - On imports from up to 272 exporters
 - 6-digit harmonized system
 - 1988-2014

Data from TRAINS

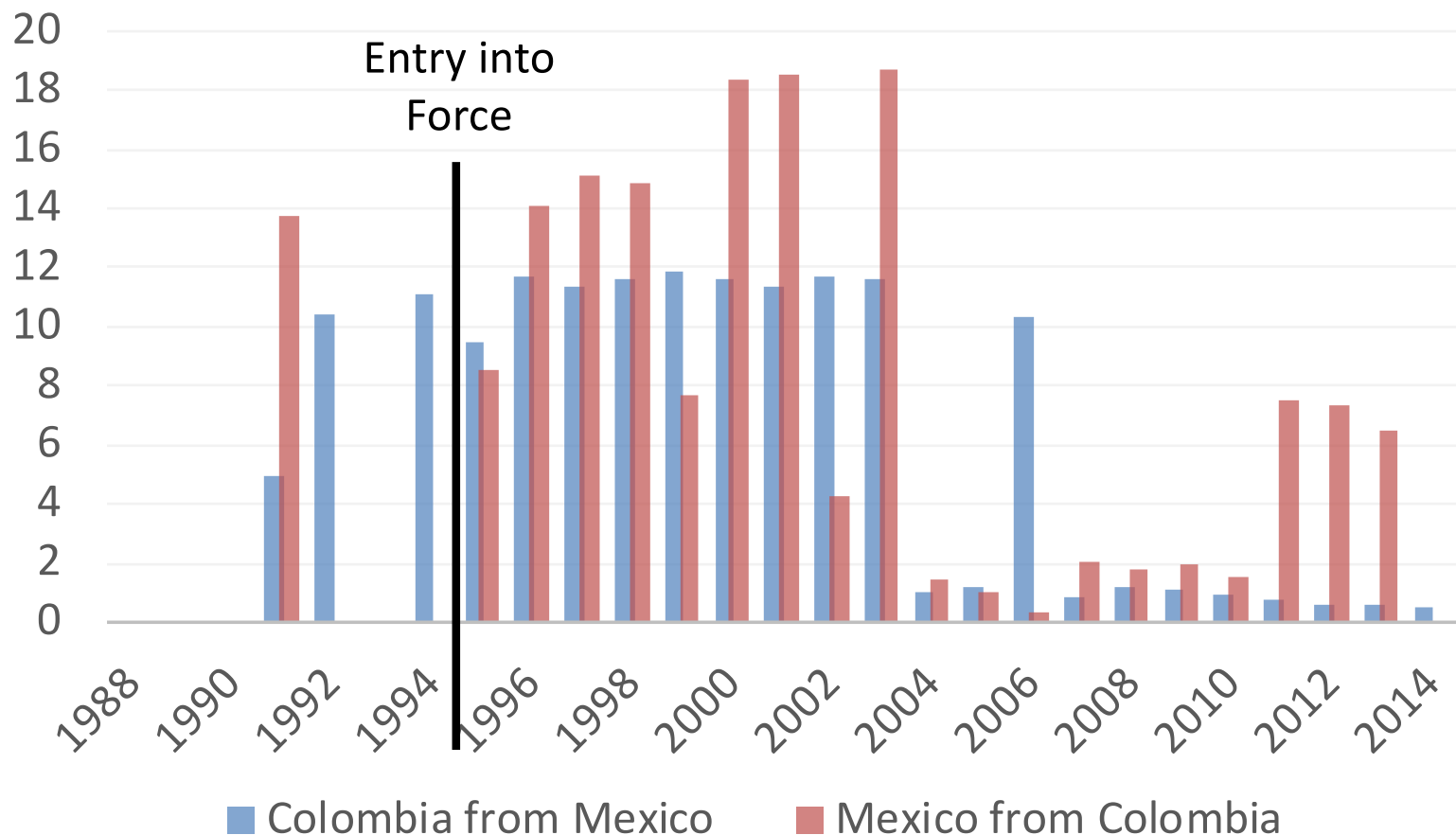
- Included:
 - Tariffs for 6-digit sectors
 - Simple average
 - Weighed average
 - Minimum and maximum rates
 - Number of tariff lines
 - Total
 - Dutiable
 - (Also includes data on value of imports, not used here.)

Data from TRAINS

- Sample
 - The 1995 FTA between Colombia and Mexico
 - Shows several features of the data
 - Some useful
 - Some problematic

Colombia-Mexico FTA Tariffs

Simple average of simple average tariffs



Colombia-Mexico FTA Tariffs

Dutiable percent of tariff lines

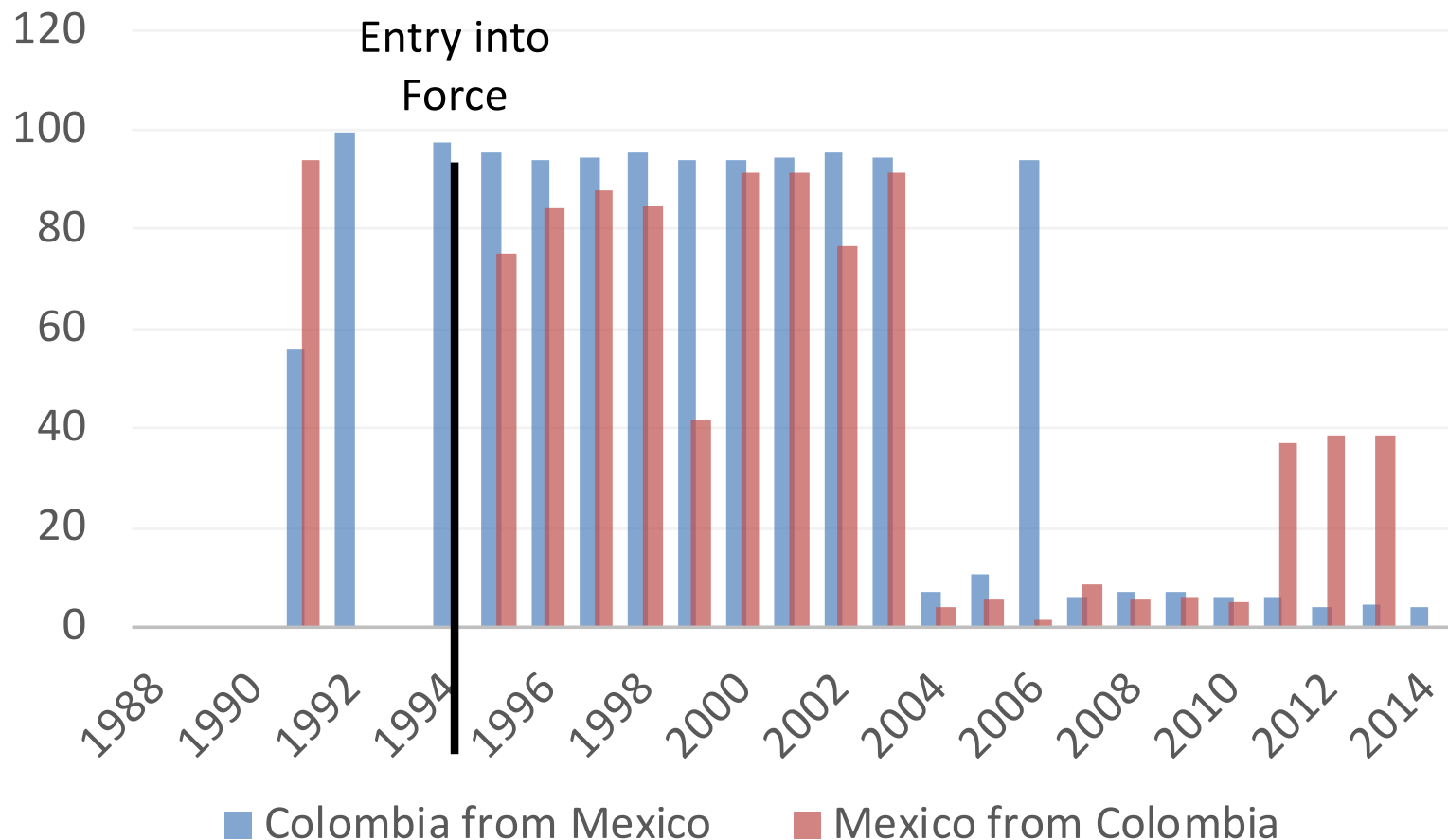


Table 1 Percent Dutiable Tariff Lines in Colombia-Mexico FTA after They Dropped		
Year	Colombia from Mexico	Mexico from Colombia
2004	7.1	3.8
2005	10.8	5.4
2006	93.9	1.6
2007	5.9	8.5
2008	7.2	5.3
2009	7.3	6.2
2010	6.1	4.9
2011	6.2	36.8
2012	4.2	38.4
2013	4.3	38.7
2014	3.8	

Colombia-Mexico FTA Tariffs

Simple average of maximum % positive tariffs
within 6-digit codes

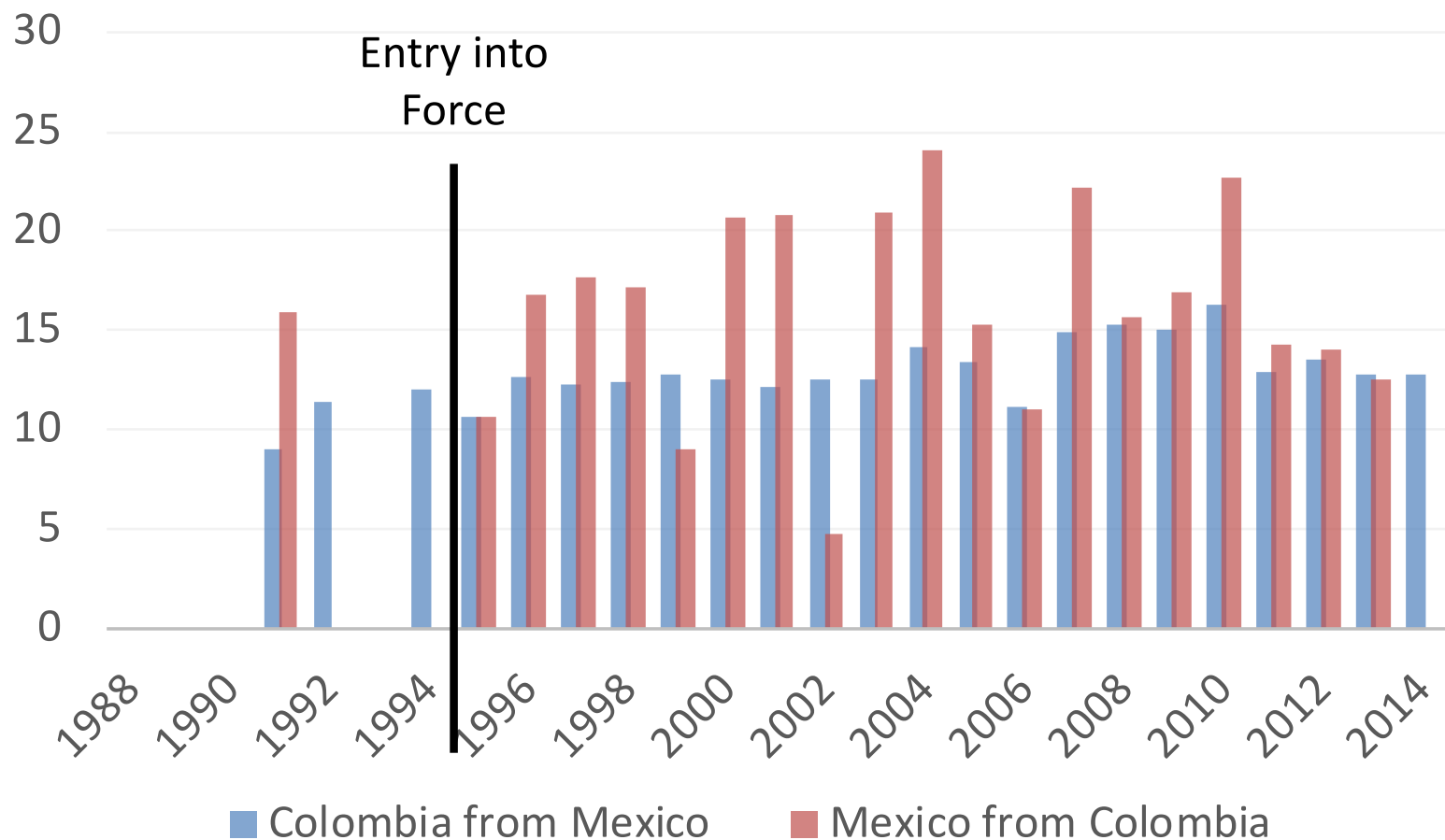


Table 2
Minimum Percent Dutiable Tariff Lines (Min%Dut)
and Change in Average Maximum Positive Tariffs (Pre-PostChg)
for Available FTAs 1994-2003

FTA	Year	Country	From	Min%Dut	Pre-PostChg
NAFTA	1994	Canada	Mexico	0.6	122.4
NAFTA	1994	Canada	US	0	186
NAFTA	1994	Mexico	Canada	0.4	23.6
NAFTA	1994	Mexico	US	0	14.6
NAFTA	1994	US	Canada	0.1	40.8
NAFTA	1994	US	Mexico	0.5	17.5
Columbia-Mexico	1995	Colombia	Mexico	3.8	2.5
Columbia-Mexico	1995	Mexico	Colombia	1.6	0.6
EU-Turkey	1996	EU	Turkey	0.4	23
EU-Turkey	1996	Turkey	Belgium	7.6	
EU-Turkey	1996	Turkey	France	16.3	33.4
EU-Turkey	1996	Turkey	Germany	15.2	32.1
EU-Turkey	1996	Turkey	Italy	12.8	32.2
EU-Turkey	1996	Turkey	Poland	8.5	25.9

Table 2
Minimum Percent Dutiable Tariff Lines (Min%Dut)
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for Available FTAs 1994-2003

FTA	Year	Country	From	Min%Dut	Pre-PostChg
Canada-Israel	1997	Canada	Israel	11.3	49.1
Canada-Israel	1997	Israel	Canada	3.9	6
Israel-Turkey	1997	Israel	Turkey	5.6	6
Israel-Turkey	1997	Turkey	Israel	10.9	20.8
Canada-Chile	1997	Canada	Chile	0	181.6
Canada-Chile	1997	Chile	Canada	79.1	-4.5
EU-Tunisia	1998	EU	Tunisia	10.4	4
EU-Tunisia	1998	Tunisia	Belgium	23.3	
EU-Tunisia	1998	Tunisia	France	31.4	-9.6
EU-Tunisia	1998	Tunisia	Germany	25.6	-4.1
EU-Tunisia	1998	Tunisia	Italy	28.6	-2
EU-Tunisia	1998	Tunisia	Poland	18.2	4.1
Chile-Mexico	1999	Chile	Mexico	1.2	-4
Chile-Mexico	1999	Mexico	Chile	0.2	17.5

Table 2
Minimum Percent Dutiable Tariff Lines (Min%Dut)
and Change in Average Maximum Positive Tariffs (Pre-PostChg)
for Available FTAs 1994-2003

FTA	Year	Country	From	Min%Dut	Pre-PostChg
EU-South Africa	2000	EU	South Africa	9.3	7
EU-South Africa	2000	South Africa	Belgium	3.1	-5.3
EU-South Africa	2000	South Africa	France	4.6	-6.1
EU-South Africa	2000	South Africa	Germany	3.8	-7.5
EU-South Africa	2000	South Africa	Italy	5.6	-7.6
EU-South Africa	2000	South Africa	Poland	4.5	-5.5
EU-Morocco	2000	EU	Morocco	0.4	3.8
EU-Morocco	2000	Morocco	Belgium	12.6	1.8
EU-Morocco	2000	Morocco	France	15.9	-15
EU-Morocco	2000	Morocco	Germany	8.9	-17.5
EU-Morocco	2000	Morocco	Italy	12.1	-20
EU-Morocco	2000	Morocco	Poland	11.5	-14.8

Table 2
Minimum Percent Dutiable Tariff Lines (Min%Dut)
and Change in Average Maximum Positive Tariffs (Pre-PostChg)
for Available FTAs 1994-2003

FTA	Year	Country	From	Min%Dut	Pre-PostChg
EU-Israel	2000	EU	Israel	2.7	8
EU-Israel	2000	Israel	Belgium	3.8	8.5
EU-Israel	2000	Israel	France	3.6	9
EU-Israel	2000	Israel	Germany	3	8
EU-Israel	2000	Israel	Italy	3	7.4
EU-Israel	2000	Israel	Poland	4.3	9.4
EU-Mexico	2000	EU	Mexico	2.7	8
EU-Mexico	2000	Mexico	Belgium	3.8	8.5
EU-Mexico	2000	Mexico	France	3.6	9
EU-Mexico	2000	Mexico	Germany	3	8
EU-Mexico	2000	Mexico	Italy	3	7.4
EU-Mexico	2000	Mexico	Poland	4.3	9.4
Israel-Mexico	2000	Israel	Mexico	5.1	5.4
Israel-Mexico	2000	Mexico	Israel	2.2	-0.1
Macedonia-Turkey	2000	Macedonia	Turkey	21.1	
Macedonia-Turkey	2000	Turkey	Macedonia	5	30.9

Table 2
Minimum Percent Dutiable Tariff Lines (Min%Dut)
and Change in Average Maximum Positive Tariffs (Pre-PostChg)
for Available FTAs 1994-2003

FTA	Year	Country	From	Min%Dut	Pre-PostChg
New Zealand-Singapore	2001	New Zealand	Singapore	0	290.6
New Zealand-Singapore	2001	Singapore	New Zealand	0	-332.8
India-Sri Lanka	2001	India	Sri Lanka	20.7	-23.3
India-Sri Lanka	2001	Sri Lanka	India	28	-2.8
Jordan-US	2001	Jordan	US	2	-2.4
Jordan-US	2001	US	Jordan	0.9	71.1
Chile-Costa Rica	2002	Chile	Costa Rica	41.5	-4.6
Chile-Costa Rica	2002	Costa Rica	Chile	6.8	-2.4
Chile-El Salvador	2002	Chile	El Salvador	69.6	-4.5
Chile-El Salvador	2002	El Salvador	Chile	2.5	-3.9
Canada-Costa Rica	2002	Canada	Costa Rica	3.3	-1.7
Canada-Costa Rica	2002	Costa Rica	Canada	27.7	-2.5
Japan-Singapore	2002	Japan	Singapore	25.5	27.9
Japan-Singapore	2002	Singapore	Japan	0	-220.2

Table 2
Minimum Percent Dutiable Tariff Lines (Min%Dut)
and Change in Average Maximum Positive Tariffs (Pre-PostChg)
for Available FTAs 1994-2003

FTA	Year	Country	From	Min%Dut	Pre-PostChg
El Salvador-Panama	2003	El Salvador	Panama	3.8	2
El Salvador-Panama	2003	Panama	El Salvador	5.7	-2
China-Hong Kong	2003	China	Hong Kong	56.3	-13.9
China-Hong Kong	2003	Hong Kong	China	0	
Bosnia-Herzegovina-Turkey	2003	Bosnia-Herzegovina	Turkey	68	2.8
Bosnia-Herzegovina-Turkey	2003	Turkey	Bosnia-Herzegovina	0.6	25.1
Australia-Singapore	2003	Australia	Singapore	0.1	-6.1
Australia-Singapore	2003	Singapore	Australia	0	-158.7
China-Macao	2003	China	Macao	47.3	-15.6
China-Macao	2003	Macao	China	0	

Conclusions from the Data

- First, only very rarely do members of an FTA eliminate all tariffs on trade with other members.
 - Most continue to levy positive tariffs on a small percentage of tariff lines (percentages in the single digits) and
 - a large minority keep positive tariffs on much larger fractions.

Conclusions from the Data

- Second, there is a common tendency for the average maximum positive tariff to rise after the FTA compared to what it was before.
 - There are certainly a fair number of negative numbers in the Pre-PostChg column of Table 2,
 - but the positives far outnumber the negatives.

Conclusions from the Data

- Two countries that do not show sensitive sectors:
 - Singapore
 - Chile

Conclusions from the Data

- Singapore
 - Stands out as a country that has not protected sensitive sectors.
 - But then Singapore tended to have zero tariffs even before entering into FTAs.

Conclusions from the Data

- Chile
 - Has been an eager participant in FTAs,
 - but it has a history of levying moderate tariffs of the same size against most imports, even before entering into FTAs, and
 - it seems to have kept that practice within FTAs, lowering bilateral tariffs only part way to zero.

Implication of Rise in Average Maximum Positive Tariff

- Countries tend to
 - Reduce their lowest tariffs to zero
 - Keep largest tariffs in place
- This raises the variance of tariffs
- From literature on Piecemeal Tariff Reform, this seems likely to be additionally harmful

Characteristics of Countries with Sensitive Sectors

- Graphs below relate % dutiable and change in max positive to
 - Per capita income
 - Population
 - Time
 - Social Policy

Figure 7 The Role of Per Capita Income

Minimum Percent Dutiable
by Per Capita GDP (PPP \$000)

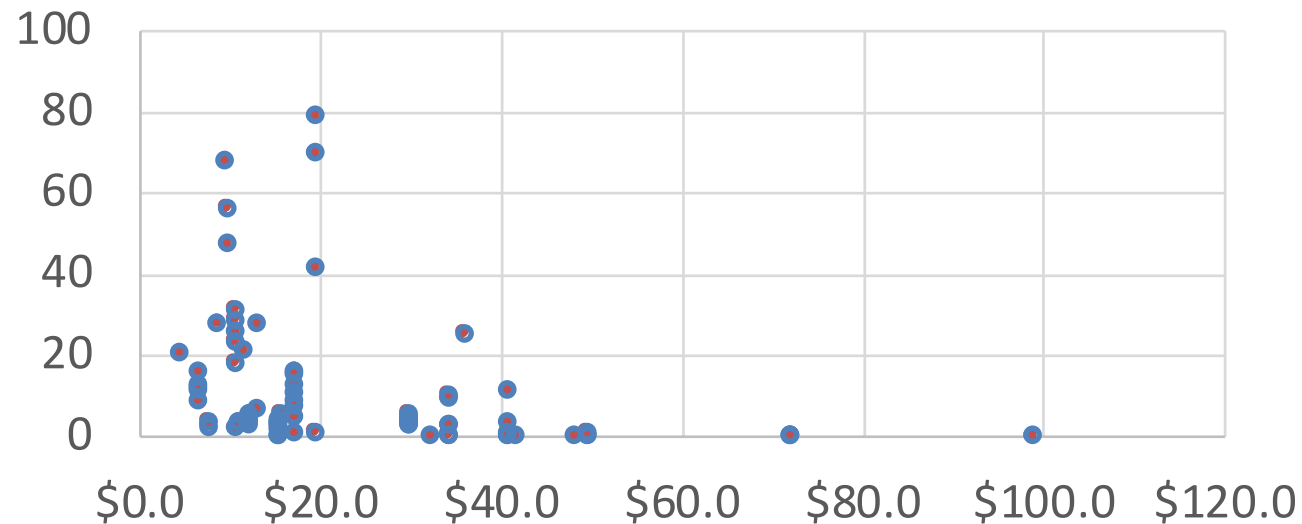


Figure 7

The Role of Per Capita Income

Pre to Post Change in Maximum %
Tariff

by Per Capita GDP (PPP \$000)

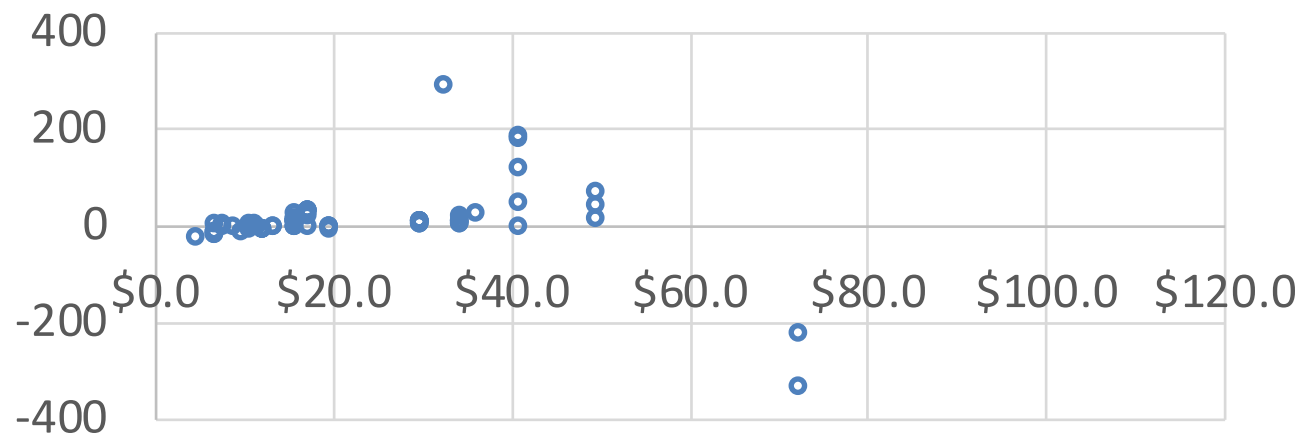


Figure 8

The Role of Population

Minimum Percent Dutiable by Population (millions)

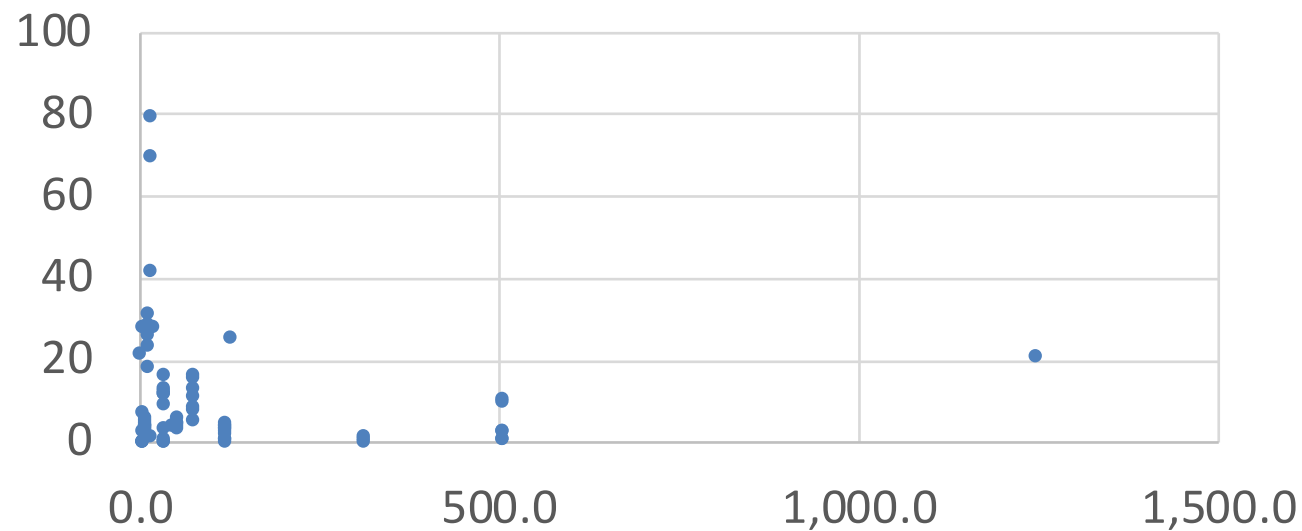


Figure 8

The Role of Population

Pre to Post Change in Maximum %
Tariff
by Population (millions)

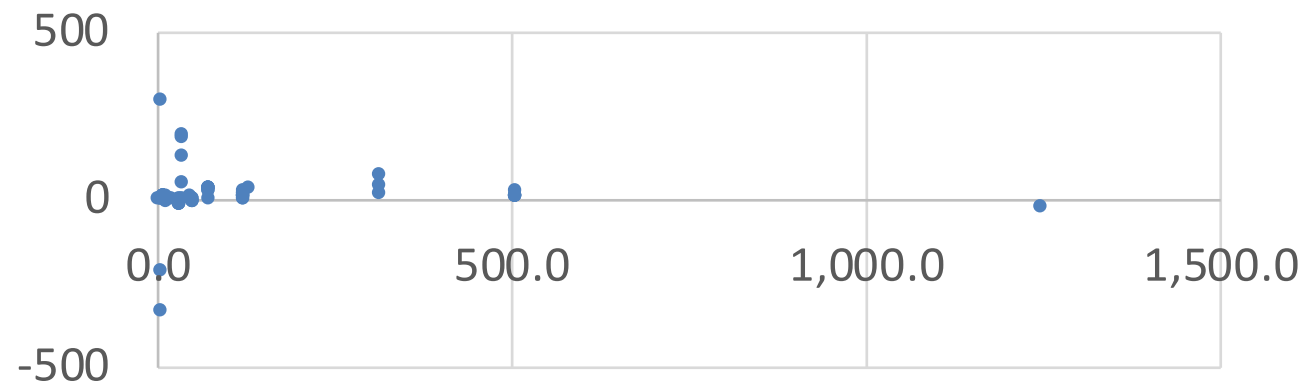


Figure 9 The Role of Time

Minimum Percent Dutiable
by Years of Entry-into-Force since
1993

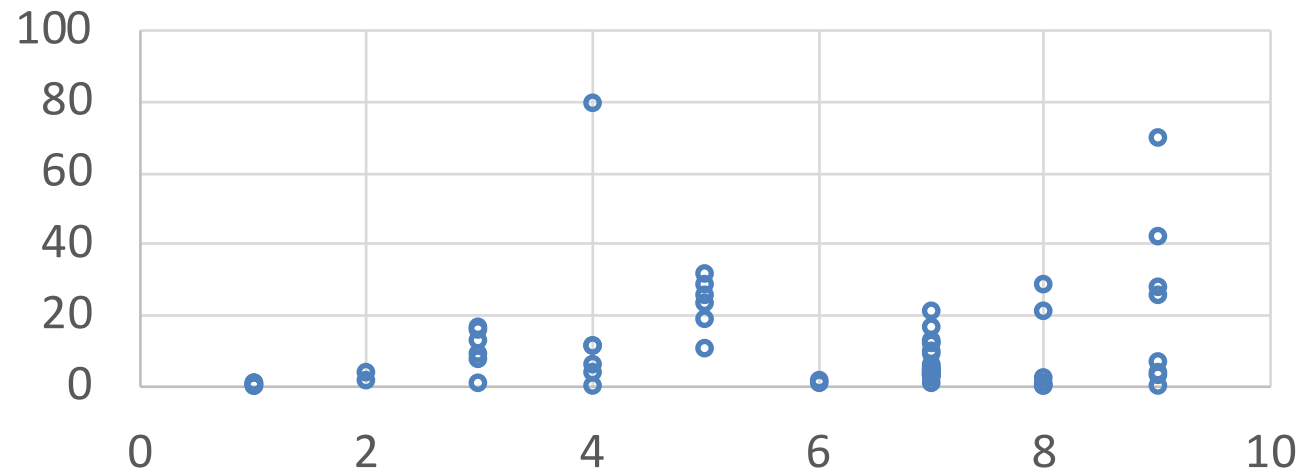


Figure 9 The Role of Time

Pre to Post Change in Maximum %
Tariff
by Years of Entry-into-Force since
1993

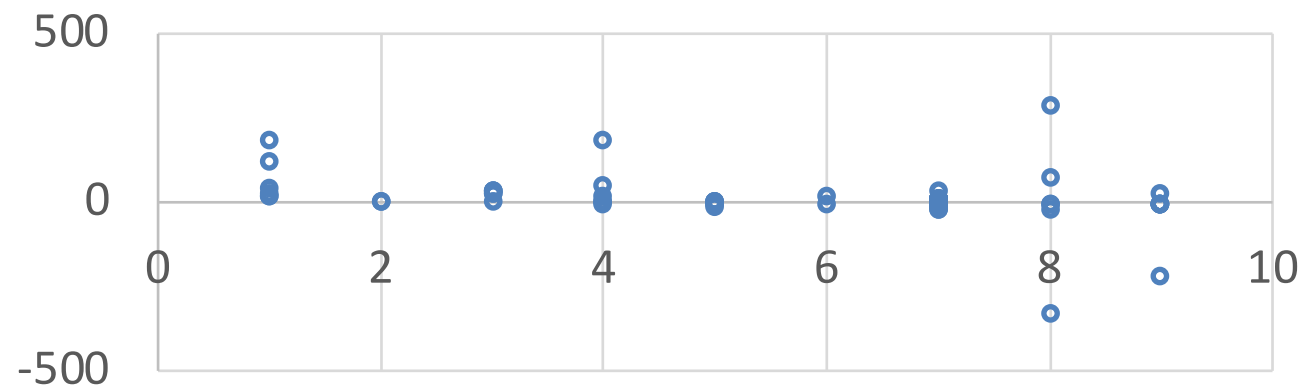


Figure 10
The Role of Social Policy
Minimum Percent Dutiable
by Social Spending % of GDP

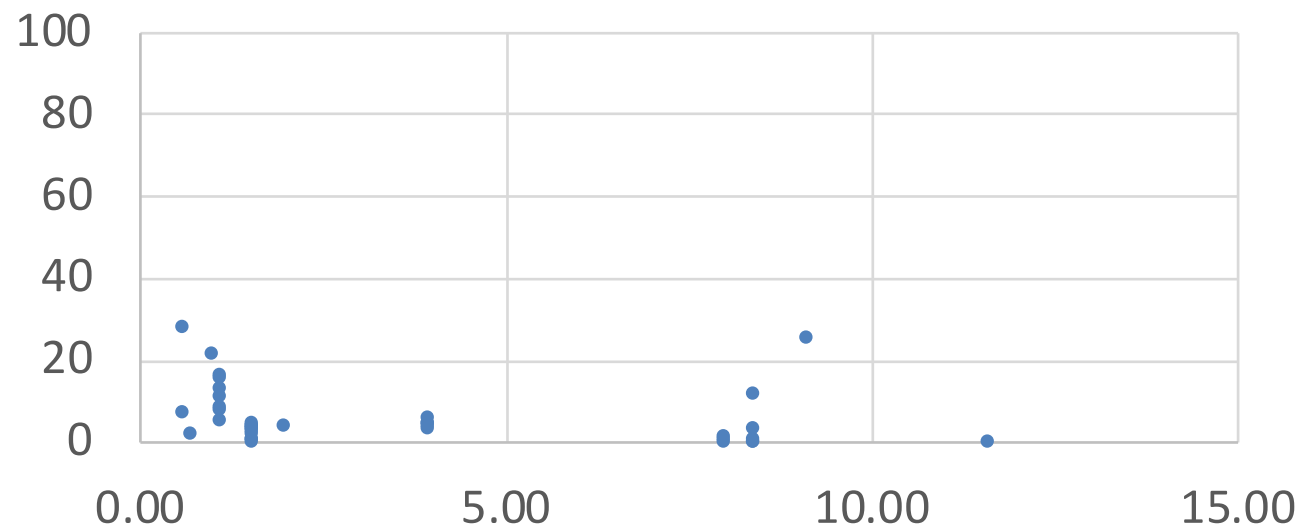
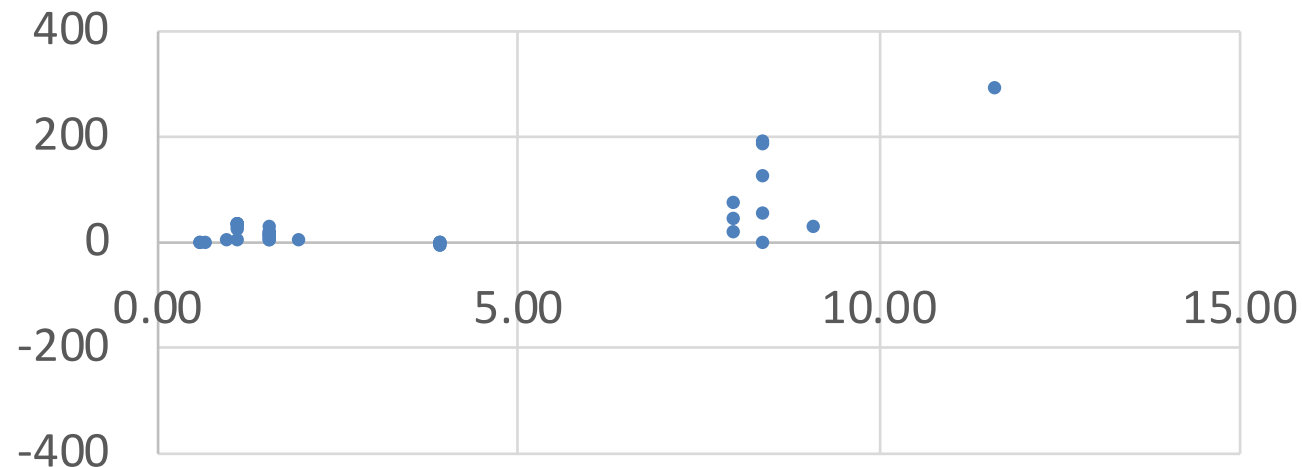


Figure 10 The Role of Social Policy

Pre to Post Change in Maximum %
Tariff
by Social Spending % of GDP



Conclusions

- Sensitive sectors are sufficiently common to be concerning
- Their presence
 - Reduces the benefits of FTAs
 - Makes it more likely that FTAs are harmful

Conclusions

- There is some tendency to
 - Increase the average maximum tariffs
- This increases the variance of tariffs, adding to the harm

Conclusions

- Policy recommendation?
 - Simply eliminate tariffs on all sectors?
 - Not that simple, as this ignores the reason for sensitive sectors
 - What is needed is better social policies to assist those in sensitive sectors adjust to import competition